

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference MBZ-0513/PCT	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/EP2004/001229	International filing date (day/month/year) 10/02/2004	(Earliest) Priority Date (day/month/year) 28/02/2003
Applicant CONSTRUCTION RESEARCH & TECHNOLOGY GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

METHOD AND COMPOSITION FOR INJECTION AT A TUNNEL BORING MACHINE

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/001229

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 E21D9/06 C09K7/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 E21D C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 690 709 A (SEPPIC SA) 5 November 1993 (1993-11-05) page 3, line 10 - line 14 page 4, line 17 - line 33 page 5, line 7 - line 12 page 5, line 31 - line 35 page 7, line 7 ---	1-4
A	US 5 808 052 A (LANGE WERNER ET AL) 15 September 1998 (1998-09-15) column 4, line 4 - line 15 column 7, line 11 - line 16 ---	1-4
A	WO 01/12952 A (ELLENBERGER PETER ; MBT HOLDING AG (CH)) 22 February 2001 (2001-02-22) page 2, line 23 - page 3, line 10 --- -/--	1-4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

27 May 2004

Date of mailing of the international search report

04/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Garrido Garcia, M

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/001229

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 858 928 A (VINCENT MARIE-MADELEINE ET AL) 12 January 1999 (1999-01-12) examples 6,7 -----	1
A	US 6 485 233 B1 (ELLENBERGER PETER) 26 November 2002 (2002-11-26) column 2, line 6 - line 14 -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/001229

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2690709	A	05-11-1993	FR 2690709 A1	05-11-1993
			AT 142743 T	15-09-1996
			AU 4263393 A	29-11-1993
			DE 69304691 D1	17-10-1996
			DE 69304691 T2	13-02-1997
			DK 638137 T3	30-09-1996
			EP 0638137 A1	15-02-1995
			ES 2092307 T3	16-11-1996
			WO 9322538 A1	11-11-1993
			GR 3021184 T3	31-12-1996
			NO 944051 A	27-12-1994
US 5808052	A	15-09-1998	DE 19521693 A1	19-12-1996
			EP 0750027 A1	27-12-1996
			JP 9003451 A	07-01-1997
WO 0112952	A	22-02-2001	AU 6152800 A	13-03-2001
			BR 0013234 A	23-04-2002
			CN 1369033 T	11-09-2002
			WO 0112952 A1	22-02-2001
			EP 1210504 A1	05-06-2002
			JP 2003507604 T	25-02-2003
			TW 477858 B	01-03-2002
US 5858928	A	12-01-1999	FR 2727327 A1	31-05-1996
			FR 2734277 A1	22-11-1996
			FR 2734276 A1	22-11-1996
			FR 2736846 A1	24-01-1997
			AT 199933 T	15-04-2001
			AU 679650 B2	03-07-1997
			AU 3904095 A	06-06-1996
			CA 2163926 A1	29-05-1996
			CN 1132761 A , B	09-10-1996
			DE 69520407 D1	26-04-2001
			DE 69520407 T2	06-09-2001
			DK 714978 T3	23-04-2001
			EP 0714978 A1	05-06-1996
			ES 2157308 T3	16-08-2001
			FI 955711 A	29-05-1996
			GR 3035854 T3	31-08-2001
			JP 2710100 B2	10-02-1998
			JP 8253691 A	01-10-1996
			KR 189387 B1	01-06-1999
			NO 954800 A	29-05-1996
			PT 714978 T	30-08-2001
			RU 2124046 C1	27-12-1998
			SG 72600 A1	23-05-2000
			TW 419519 B	21-01-2001
			ZA 9510047 A	04-06-1996
US 6485233	B1	26-11-2002	AU 742880 B2	17-01-2002
			AU 9540998 A	27-04-1999
			BR 9812611 A	01-08-2000
			EP 1027528 A1	16-08-2000
			JP 2001519495 T	23-10-2001
			CN 1272901 T	08-11-2000
			WO 9918330 A1	15-04-1999